

APPENDIX B. MRV RADIOS, FREQUENCY RANGES & ADDITIONAL SPECIFICATIONS

RADIO TYPE	FREQUENCY RANGE	MODULATION TYPE	RF OUTPUT POWER
HF 1&2	1.6 - 29.999 MHz	AME, SSB, CW, & ALE <input type="checkbox"/> 87-95% Modulation	65W or 125W ¹ Nominal
VHF 1&2	132 - 162 MHz	FM <input type="checkbox"/> 3&5 kHz Deviation <input type="checkbox"/> Astro Digital Capable <input type="checkbox"/> DES, DES-XL, and DVP, DVP-XL <input type="checkbox"/> OTAR and Multikey	25 - 50 Watts Nominal
VHF 3&4	146 - 174 MHz	FM <input type="checkbox"/> 3&5 kHz Deviation <input type="checkbox"/> Astro Digital Capable	25 - 50 Watts Nominal
UHF 1&2	403 - 433 MHz	<input type="checkbox"/> DES, DES-XL	20 - 40 Watts Nominal
UHF 3&4	450 - 482 MHz	FM <input type="checkbox"/> 3&5 kHz Deviation	20 - 40 Watts Nominal
UHF 5&6	482 - 512 MHz	<input type="checkbox"/> Astro, Digital Capable	20 - 40 Watts Nominal
MXF 1&2	30 - 88 MHz 100 - 174 MHz 225 - 512 MHz	AM, FM, FSK, & Beacon <input type="checkbox"/> 5.6 kHz Deviation <input type="checkbox"/> 80-90% Modulation <input type="checkbox"/> Have Quick 1&2	4 - 50 Watts Nominal
400 MHz ² Trunking	403 - 443 MHz	FM <input type="checkbox"/> 3&5 kHz Deviation <input type="checkbox"/> Astro Digital Capable <input type="checkbox"/> Both Conventional and Trunking Capable <input type="checkbox"/> DES, DES-XL	20 - 40 Watts Nominal
800 MHz ² Trunking	806 - 870 MHz	FM <input type="checkbox"/> 3&5 kHz Deviation <input type="checkbox"/> Astro Digital Capable <input type="checkbox"/> Both Conventional and Trunking Capable	35 Watts Nominal
LST-5D	225 - 399.995 MHz	AM & FM <input type="checkbox"/> 75% Modulation <input type="checkbox"/> 5.6 kHz Deviation <input type="checkbox"/> Embedded COMSEC	18 Watts Nominal (200 with PA)

¹ Each Transceiver may be patched to a standalone 1 kW Power Amplifier for additional output.

² The present capabilities of the 400 & 800 MHz trunking radios are hindered because of the vast amount of coordination required for activation on individual trunking systems.